Application No.: 10/771,040
Docket No.: UC0210USNA

Listing of Claims

1. (Currently Amended) A polymeric composition comprising aromatic monomeric units selected from ~~fluorene,~~ spirofluorene[[,]] and bridged biphenyl, wherein the polymeric composition has at least a first substituent and a second substituent, wherein the first substituent is different from the second substituent and both substituents are independently selected from alkyl, heteroalkyl, alkenyl, heteroalkenyl, alkynyl, heteroalkynyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl.

2. (Original) The polymeric composition of Claim 1, wherein the first substituent and the second substituent are on the same monomeric unit.

3. (Original) The polymeric composition of Claim 1, wherein the first substituent and the second substituent are on different monomeric units.

4. (Original) The polymeric composition of Claim 1, wherein the first substituent and the second substituent are independently selected from alkyl groups having 1-20 carbons.

5. (Currently Amended) The polymeric composition of Claim ~~1~~3, wherein the molar ratio of the monomeric units having the first alkyl substituent to monomeric units having the second alkyl substituent is in the range of 1:100 to 1:10.

6. (Currently Amended) The polymeric composition of Claim ~~8~~5, wherein the molar ratio is in the range of 1:10 to 10:1.

7. (Canceled)

8. (Currently Amended) The polymeric composition of Claim ~~5~~18 wherein the first substituent and second substituent are in the 9-position.

9. (Currently Amended) The polymeric composition of Claim ~~6~~18, wherein the first and second substituents are alkyl moieties ~~are~~ selected from C_1 to about C_{20} linear alkyl moieties, C_1 to about C_{20} cyclic alkyl moieties, and C_1 to about C_{20} branched chain alkyl moieties.

10. (Currently Amended) The polymeric composition of Claim ~~7~~9, wherein the alkyl moieties are selected from C_4 to about C_{12} linear alkyl moieties, C_4 to about C_{12} cyclic alkyl moieties, and C_4 to about C_{12} branched chain alkyl moieties.

11. (Currently Amended) An organic light emitting diode (OLED) comprising an active layer comprising the polymeric composition of Claim 1 or Claim 18.

12. (Currently Amended) An electroluminescent device comprising an active layer comprising the polymeric composition of Claim 1 or Claim 18.

13. (Canceled)

14. (Original) A method for forming a polymeric composition comprising providing a plurality of aromatic monomers selected from fluorene, spirofluorene and bridged biphenyl;

treating the monomers with at least two reagents capable of adding substituents to the monomers, said substituents being independently selected from alkyl, heteroalkyl, alkenyl, heteroalkenyl, alkynyl, heteroalkynyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl, to form a mixture of randomly substituted monomers;

polymerizing said mixture of randomly substituted monomers to form a polymer.

15. Canceled

16. Canceled

17. Canceled

18. (New) A polymeric composition comprising aromatic monomeric units of fluorene, wherein each monomeric unit has at least a first substituent and a second substituent, wherein the first substituent is different from the second substituent and both substituents are independently selected from alkyl, heteroalkyl, alkenyl, heteroalkenyl, alkynyl, and heteroalkynyl.

19. (New) An electronic devices comprising at least one electroactive layer positioned between two electrical contact layers, wherein at least one electroactive layers of the device includes an electroluminescent layer comprising the composition of Claim 1 or Claim 18.

20. (New) A polymeric composition comprising copolymers comprised of monomeric units selected from fluorene, spirofluorene, and bridged biphenyl, said copolymers selected from the group consisting of fluorene copolymers, fluorene-bridged biphenyl copolymers, fluorene-spirofluorene copolymers, and spirofluorene-bridged biphenyl copolymers, wherein the polymeric composition has at least a first substituent and a second substituent, wherein the first substituent is different from the second substituent and both substituents are independently selected from alkyl, heteroalkyl, alkenyl, heteroalkenyl, alkynyl, heteroalkynyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl.